

H5260-
5290.

D5814-
5826.

Dredge } No. 5286 a Date, Nov. 27, 1912
Hydrog. }

Sdg. Mch. Hand line Reel Shot } 14 lbs.
Lead }

Turns Cor'n Depth 7 fms.

Sdg. Cup *Amt. Bot'm Sample*

Character of Bottom

Thermom. { Make *Thermom.*
No. *1* } Cor'n { Instr. *Thermom.*
Stem. *Thermom.*

Bottom Reading 54.5 Cor'd Temp. _____

Temp. Surf. { 54.5 Time ~~11:09 A~~ } Air { }
Time { }

Density: Surf. _____ fms. _____

Wind: Direction *0* Force *0*

<i>Baromet.</i>	<i>Amt. of</i>	<i>State of</i>
	<i>Clouds</i>	<i>Sea</i>

Weather 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039

Direction and Force of Current. { Surface
Bottom

Tide

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Inshore Distance _____

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks: Taken from Oyster
Companies Launch 9th atawa
A number of Oyster specimens
were secured by means of
Oyster tongs.

Beck Office Recorder

SOUNDING WIRE.

A. M. Down. Up. A. M.

10 59 00 11 09 00

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

*Copy depth log by
H. H. H.*

*Copied into
former book.*

Dredge } No. 5812 B Date, Nov. 27, 1912
Hydrog. }

Sdg. Mch. Hand line Reel Shot Lead 14 lbs.

Turns Cor'n Depth 1 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 1 Cor'n { Instr. Stem.

Bottom Reading 2,54.5 1,54.8 Cor'd Temp.

Temp. Surf. { 54.5 Time Air {

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 1 State of Sea 8

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks: As before

Deck Officer J. B. Steadman Recorder H. W. C. S. S.

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

11 20 00 11 30 00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

As before

copied into
former book

Dredge } No. 5257 Date, Nov. 28, 1912
Hydrog. }
Sdg. Mch. Hand line Reel Shot Lead 4 lbs.
Turns Cor'n Depth 1 end of haul fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make Cor'n { Instr. No. Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { Time Air {
Density: Surf. fms.
Wind: Direction Force 0
Baromet. Amt. of Clouds 1 State of Sea S
Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter

Apparatus and Rig used 4' Plankton 2 Reefs

Time towing h. 1 m.

Remarks: 4' Plankton towed from stern of Ayres Company's launch Klatow.

Deck Officer Mr. Peterfield Recorder H. W. Child

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

A. M. Down. Up. A. M.

0	11	33	30	11	43	30
100						
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
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1600						
1700						
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2900						
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3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
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4600						
4700						
4800						
4900						

*Copied into
former book*

5813.

Dredge } No. 5258-a Date, Nov. 27, 1912

Sdg. Mch. Hand line Reel Shot Lead 14 lbs.

Turns Cor'n Depth 1 1/2 fms.

Sdg. Cup Amt. Bot'm Sample 1 1/2 end of haul.

Character of Bottom

Thermom. { Make N. 3.1 Cor'n { Instr. No. 2 R. Stem.

Bottom Reading 2 55 R. 55.2 Cor'd Temp.

Temp. Surf. { 55.2 Time 12:58 P. Air {

Density: Surf. fms.

Wind: Direction Force 0-1

Baromet. Amt. of Clouds 3 State of Sea 8

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Int.

Apparatus and Rig used 4' Charleston T. T. Ref. 1000.

Remarks: Time towing h. m.

Taken from Morgan Oyster
Pg's Sample Plate
A number of oyster specimens
were secured by means of
hand oyster tongs.4' Int. towed from stern
of Morgan Oyster Costumed Plate

Deck Officer H. M. Peterfield Recorder H. W. C. C.

SOUNDING WIRE.

P M. Down.			Up. P M.		
12	48	00	12	58	00

FMS.

DREDGING CABLE.

P M. Down.			Up. P M.		
1	02	00	1	12	00

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

*Copied into
preceding book*

Dredge } No. 3274 Date, Oct 27, 1911
 Hydrog. }
 Sdg. Mch. Reel Shot/Lead lbs.
 Turns Cor'n Depth 1 1/2 fms
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time { Air {
 { Time {
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds 3 State of Sea 2
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul 10
 Apparatus and Rig used 4' plankton net

Time towing h. m.
 Remarks: 4' plankton net towed 10 fms.

Deck Officer Recorder

SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

DREDGING CABLE.

P. M. DOWN. | UP. | P. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

1 | 02 | 50 | 1 | 12 | 00

*Cable in
for dredging 1000*

Dredge } No. 26
Hydrog. } Date, Feb. 27, 1911

Sdg. Mch.	Reel	Shot Lead	Lbs.
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<i>Turns</i>	<i>Cor'n</i>	<i>Depth</i>	<i>/</i>	<i>S.</i>	<i>fms.</i>
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<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. { Make
No. 2 } Cor'n { Instr.
Stem.

Bottom Reading 55.2 Cor'd Temp. 55.2

Temp. Surf. { Time } Air {
Time }
55.23

Density: Surf. fms,

Wind: Direction _____ Force _____

Baromet. Amt. of Clouds 3 State of Sea S.

Weather _____

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

Title .

General Locality

Position

Chart used: No. _____ Ed'n _____

Drift: Direction Distance

Depth of Haul .. 1500 m

Apparatus and Rig used: Flare & Oxygen Tanks

Time towing h, m.

Remarks: *in Morgan*

Deck-Office / 1151 J. S. G. J. Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M. Down.	Up.	/	M.		M. Down.	Up.	M.
2	47	00	2	57	00		
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 266 Date, 1900

Hydrog. }
Sdg. Mch. Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 1 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make n. 20 Cor'n { Instr. No. 1 Stem.

Bottom Reading 11.4 Cor'd Temp. 55.2

Temp. Surf. { 55.4 Time 3:13 P } Air { 55.1 Time

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 3 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Squid hook long

Remarks: As before Time towing h. m.

Deck Officer Recorder

SOUNDING WIRE.					FMS.	DREDGING CABLE.				
M. Down.	Up.	<i>P</i>	M.	M. Down.		Up.	M.			
3	02	30	3	12	30	0				
						100				
						200				
						300				
						400				
						500				
						600				
						700				
						800				
						900				
						1000				
						1100				
						1200				
						1300				
						1400				
						1500				
						1600				
						1700				
						1800				
						1900				
						2000				
						2100				
						2200				
						2300				
						2400				
						2500				
						2600				
						2700				
						2800				
						2900				
						3000				
						3100				
						3200				
						3300				
						3400				
						3500				
						3600				
						3700				
						3800				
						3900				
						4000				
						4100				
						4200				
						4300				
						4400				
						4500				
						4600				
						4700				
						4800				
						4900				

Dredge } No. 261 Date, 1912

Hydrog. }
Sdg. Mch. 61 Reel Shot/Lead 15 lbs.

Turns Cor'n Depth 13 1/2 end of h. c. fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force 0

Baromet. Amt. of Clouds 3 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 1 mile

Apparatus and Rig used 1' 5' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31' 32' 33' 34' 35' 36' 37' 38' 39' 40' 41' 42' 43' 44' 45' 46' 47' 48' 49' 50' 51' 52' 53' 54' 55' 56' 57' 58' 59' 60' 61' 62' 63' 64' 65' 66' 67' 68' 69' 70' 71' 72' 73' 74' 75' 76' 77' 78' 79' 80' 81' 82' 83' 84' 85' 86' 87' 88' 89' 90' 91' 92' 93' 94' 95' 96' 97' 98' 99' 100'

Remarks: Time towing h. m.

Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

P M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

3 16 00 3 26 00

Med. in } No. 526 Date, Jan 1, 1917

Sdg. Mch. T Reel Shot/Lead lbs.

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp. 53.03

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction SE Force 1

Baromet. 30.34 Amt. of Clouds 1 State of Sea

Weather of

Direction and Force of Current { Surface { Bottom

Tide

General Locality

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used

Time towing h. 11 m.

Remarks: Fishes water

Deck Officer Recorder

SOUNDING WIRE.

L M. Down. | Up. *L* M.
10 16 22 28 34 40

FMS.

DREDGING CABLE.

L M. Down. | Up. *L* M.
10 18 24 30 36 42

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

Tredge } No. 1 Date, 19

Hydrog. }
Sdg. Mch. 11 Reel 11 Shot Lead lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 71.5 Cor'n { Instr. No. L. - R. Stem.

Bottom Reading 53.1 - 52.0 Cor'd Temp. 52.98

Temp. Surf. { 53. Time 10:57 Air { 51
52.73 Time

Density: Surf. fms.

Wind: Direction S.E. Force 1

Baromet. 30.34 Amt. of Clouds 10 State of Sea S

Weather 02

Direction and Force of Current { Surface { 30 sw. in 32 fms.
Bottom { 30 " " 32 "

Tide 5.5

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter & 2 Kofoid.

Time towing h. m.

Remarks: Extreme water used.

Deck Officer W. C. Ch...

Recorder 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
<u>A</u> M. DOWN.	UP. <u>A</u> M.		<u>A</u> M. DOWN.	UP. <u>A</u> M.
10 49 00	10 59 00	0	10 49 00	10 59 00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 5216 Date, Dec 10, 1917
Hydrog. }

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make T. Cor'n { Instr. No. L. - R. Stem.

Bottom Reading 53.1 - 53.0 Cor'd Temp. 52.98

Temp. Surf. { 53° Time 11:28 a. } Air { 51° }
52.7° Time

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.34 Amt. of Clouds 10 State of Sea S

Weather 02

Direction and Force of Current { Surface { 2 " " " " }
Bottom { 30 " " " 30 "

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 2 Rigs.

Time towing h. 11 m.

Remarks: Litter with bot. used.

Deck Officer W. C. Cherry Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
11	1	-	0	11	1	-
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5167 Date, Dec. 9, 1912
Hydrog. }

S&S, Mech. *27* Reel *27* Shot *12* Lead *12* lbs.

Turns	Cor'n	Depth	4	fms.
-------	-------	-------	---	------

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom

Thermom. { Make *A. S.* Instr. *.....*
 { No. *L. 1019 R. 100* Cor'n { Stem. *.....*

Bottom Reading *L. 15.0, R. 12.1* Cor'd Temp. *52.28*

Temp. Surf. { 53° Time $12:16$ } Air { 68° }
 { 54.15 Time } { }

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

Baromet.	30.31	Amt. of Clouds	0	State of Sea	—
----------	-------	----------------	---	--------------	---

Weather 

Direction and Force of Current.	Surface.	35 fms.	in 30 Secs.
	Bottom	34 "	" 30 "

Tide gauge L-46

General Locality _____

Position --

Chart used: No. Ed'n

Drift: Direction	Distance
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00	0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 6.0 6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 7.0 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 10.0

Depth of Haul. Inter.

Apparatus and Rig used

Time towing h. 7 m.

Remarks: Eelman water bottle used.

Deck Officer *W. J. ...* Recorder *...*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
12 25 11	12 13	20	0	2 30 22	12 19	37
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Bridge } No. 5266 Date, Dec 5, 1912

Sdg. Mch. Reel Shot / Lead lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make T.G. Cor'n { Instr. No. 21019 R11023 Stem.

Bottom Reading 53.0 N: 53.8 Cor'd Temp. 57.83

Temp. Surf. { 52.90 Time 12:45-0 } Air { 690 52.65 Time

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.20 Amt. of Clouds 0 State of Sea

Weather

Direction and Force of Current { Surface 40 rev in 30 sec 40 u " 30 sec Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter. + surface

Apparatus and Rig used 4' Inter, 2' surface, 10' sinker

Time towing h. m.

Remarks: Bottom water

Deck Officer L. J. Gandy Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
12 44 20			0	12 44 20	12 51 15	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Hydrog.~~ } No. 35267 Date, Dec 8, 1912

Sdg. Mch. Reel Reel 1.1 Shot 1 Lead 1 lbs.

Turns ----- Cor'n ----- Depth 9 1/2 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make 21.1 Cor'n { Instr. -----
 { No. 11012 Stem. -----

Bottom Reading 52.4 52.2 Cor'd Temp. 52.23

Temp. Surf. { 52.0 Time 1:36 } Air { 70
 { 51.75 Time ----- }

Density: Surf. ----- fms. -----

Wind: Direction Various Force 0-1

Baromet. 30.1 Amt. of Clouds 0 State of Sea -----

Weather Clear

Direction and Force of Current { Surface SW 1/2 1/2 1/2
 { Bottom -----

Tide Low

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul Inter.

Apparatus and Rig used 4' beam trawl
100 # mesh

Time towing ----- h. 1/ m.

Remarks: 100 # mesh

Deck Officer John S. Gray Recorder John S. Gray

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
/ 20 30	/ 20 40		0	/ 20 30	/ 20 40	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Hydrog.~~ } No. 6248 Date, Dec 13, 1912

Sdg. Mch. _____ Reel _____ Shot/Lead 14 lbs.

Turns _____ Cor'n _____ Depth 12 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make B.3. Cor'n { Instr. _____
 { No. 1012 Stem. _____

Bottom Reading 52.4 Cor'd Temp. 52.23

Temp. Surf. { 52.6 Time 100 } Air { 12.0
 { 51.5 Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-1

Baromet. 30.24 Amt. of Clouds 1 State of Sea 2

Weather _____

Direction and Force of Current { Surface { 20 " " 30 "
 { Bottom { 20 " " 32 "

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul 200

Apparatus and Rig used 1' beam trawl, 2' gill net
14' dredge

Time towing _____ h. 10 m.

Remarks: Echinoderm water bottle

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. | Up. | M.

1 50 30 | 1 30 40

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. Down. | Up. | M.

1 50 30 | 1 30 40

~~Depth~~ No. 269 Date, Dec. 4th, 1912
Hydrog. Sdg. Mch. Tanner Reel 711 Shot/Lead 14 lbs.
Turns Cor'n Depth 10 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make T. 31 Cor'n { Instr. No. 711/100 Stem.
Bottom Reading 22.1 71.2 Cor'd Temp. 51.9%
Temp. Surf. { 53.1 Time 10:10 A } Air { 51
52.85 Time

Density: Surf. fms.
Wind: Direction n.n.w. Force 1-2
Baromet. 30.36 Amt. of Clouds 3 State of Sea S
Weather bazy

Direction and Force of Current { Surface 4 Revo: 33 Bottom
Tide 5:45

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used U'nder 12 fms.

Time towing h. 13 m.
Remarks 100 m. 100 fms. 100 yds.

Deck Officer Smith Recorder 11-1023

SOUNDING WIRE

M. Down. Up. M.

9 59 00 10 01 00

FMS.

DREDGING CABLE.

M. Down. Up. M.

9 58 00 10 11 00

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Hydrog. No. 1 Date, 1912

Sdg. Mch. Tanner Reel J. n. Shot 14 lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 2.3. No. 1111 Cor'n { Instr. Stem.

Bottom Reading 53.1 Cor'd Temp. 52.98

Temp. Surf. { 53.2 Time 10:51 A } Air { 51 }
52.93 Time

Density: Surf. fms.

Wind: Direction n. n. w. Force 1-2

Baromet. 30.36 Amt. of Clouds 3 State of Sea 5

Weather b. y.

Direction and Force of Current { Surface 1.5 1/2 2/3 Bottom

Tide 5.1

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter

Apparatus and Rig used 4' Jule

Time towing 1.2 m.

Remarks: 1.5 1/2 2/3

Deck Officer

Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

10 40 30 10 50 30

10 40 30 10 50 30

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Hydrog. No. 271 Date, Dec 4, 1912
Sdg. Mch. Tanner Reel In Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading 53.3 53.2 Cor'd Temp. 53.18

Temp. Surf. { 53.5 Time 11:30 Air { 51
53.23 Time

Density: Surf. fms.

Wind: Direction n.w. Force 1-2

Baromet. 30.36 Amt. of Clouds 3 State of Sea S

Weather bcz.

Direction and Force of Current { Surface Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction In Distance

Depth of Haul 4' 1/2

Apparatus and Rig used

Time towing h. 1 m.

Remarks: Eel m. a. p. 11:30

Deck Officer Recorder

SOUNDING WIRE

M. Down. Up. M.

FMS.

DREDGING CABLE

M. Down. Up. M.

11 11 11 29 11

11 11 11 11 11

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 1272 Date, Nov 21, 1912

Hydrog. }
Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.B. { Instr. {
No. 11101123 Cor'n { Stem.

Bottom Reading Cor'd Temp. 53.23

Temp. Surf. { 53.6 Time 11:58 a { Air { 52
53.33 Time

Density: Surf. fms.

Wind: Direction NW Force 1-2

Baromet. 30.33 Amt. of Clouds 2 State of Sea S.

Weather fog

Direction and Force of Current { Surface {
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Drifted Distance

Depth of Haul

Apparatus and Rig used 4' Inter 2

Time towing h. 11 m.

Remarks:

Deck Officer Recorder.

SOUNDING WIRE.

M. Down. | Up. *A*. M.*11 41 00 12 00 00*

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

A. M. Down. | Up. M.*11 41 00 12 00 00*

Dredge } No. 5222 Date, Dec 4, 1915
Hydrog. }
Sdg. Mch. 775 Reel 775 Shot Lead 14 lbs.
Turns Cor'n Depth 5 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make N.B. Cor'n { Instr.
No. 1019 1023 Stem.

Bottom Reading 53.9 53.8 Cor'd Temp. 53.78

Temp. Surf. { 53.0 Time 11:30 AM } Air { 53 }
53.73 Time

Density: Surf. fms.

Wind: Direction NNE Force 2

Baromet. 30.32 Amt. of Clouds 2 State of Sea S

Weather

Direction and Force of Current { Surface 40 rev. in 31 sec.
Bottom 40 " " 32

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 72

Apparatus and Rig used 4' Inter & 2 Kofri

Time towing h. 10 m.

Remarks: Faint

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
12	20	12	0	2	20	12
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 524 Date, Dec 4, 1912
Hydrog.

Sdg. Mch. T Reel TN Shot 14 lbs.
Lead

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make T. S. Cor'n { Instr. No. 1019 | 1023 Stem.

Bottom Reading 5.9 Cor'd Temp. 53.73

Temp. Surf. { 53.9 Time 12:58 } Air { 52 }
53.63 Time

Density: Surf. fms.

Wind: Direction NE Force 1-2

Baromet. 30.21 Amt. of Clouds 2 State of Sea S

Weather

Direction and Force of Current { Surface { 40 Bottom { 30

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 11 m.

Remarks: Ectoman wr. bottle used.

Deck Officer Mr. King Recorder

SOUNDING WIRE.

<i>P</i> M. Down.	Up.	<i>P</i> M.
12 48	-	12 58

FMS.

DREDGING CABLE.

<i>P</i> M. Down.	Up.	<i>P</i> M.
12 48	-	12 49 00

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Depth } No. 5275 Date, Dec 1, 1911
Hydrog. }
Sdg. Mch. 777 Reel Shot/Lead 14 lbs.
Turns Cor'n Depth 077 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make N.S. Cor'n { Instr.
No. 1019 | 1023 Stem.
Bottom Reading 53 | 53 Cor'd Temp. 52.93
Temp. Surf. { 54.8 Time 1:21 } Air { 53
54.5 Time

Density: Surf. fms.
Wind: Direction NE Force 1-2
Baromet. 30.30 Amt. of Clouds 2 State of Sea 3
Weather Bcs

Direction and Force of Current { Surface 1.5 " " 1
Bottom 1.50 " " 1.7
Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Tnter

Apparatus and Rig used

Time towing 10.5 m.

Remarks: 500m. towed with
- bottom thermometer failed
failed to stop, and was immediately
lowered again. Towed and
gished as above

Deck Officer

Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 727 Date, Dec 19, 1912

Hydrog. }
Sdg. Mch. Reel Shot/Lead 1 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 75 Cor'n { Instr.
No. 1019 | 1023 Stem.

Bottom Reading 53.8 | 53.7 Cor'd Temp. 53.68

Temp. Surf. { 53.9 Time 1:46 } Air {
53.53 Time

Density: Surf. fms.

Wind: Direction NE Force 1-2

Baromet. 30.30 Amt. of Clouds 2 State of Sea S

Weather fog

Direction and Force of Current { Surface { 40 sur. in 35 Sec.
Bottom { 40 " " 3'

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter

Apparatus and Rig used 1/2 Inter & 2 KAs.

Time towing 11 m.

Remarks: 1/2 Inter & 2 KAs.

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
78 M. DOWN.	UP.	78 M.		M. DOWN.	UP.	M.
1	38	-	1	48	-	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Trawl~~ } No. 5-277 Date, June 5, 1903

Sdg. Mch. 7.7 Reel 7.7 Shot/Lead lbs.

Turns ----- Cor'n ----- Depth 11 1/4 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make H. Z. Cor'n { Instr. -----
 { No. 11019R1023 { Stem. -----

Bottom Reading 5-2-2 1/4; 5-2-1" Cor'd Temp. 52.08

Temp. Surf. { 52.2° Time ----- } Air { 53°
 { 57.93 Time ----- }

Density: Surf. ----- fms. -----

Wind: Direction Various Force 5-8

Baromet. 30.97 Amt. of Clouds 1 State of Sea -----

Weather bc

Direction and Force of Current { Surface 20 " " 5-4 "
 { Bottom -----

Tide Rising of tide

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul Inter.

Apparatus and Rig used 4' beam trawl, 2 1/2' net, 1 1/2' net

Time towing h. 10 m.

Remarks: C. C. ...

Deck Officer [Signature] Recorder [Signature]

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up. M.		M. Down.	Up.	M.
9 40 00	9 40 00	0	9 40 00	9 40 00	
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

~~Hydrog.~~ } No. 678 Date, Dec 5, 1912.
Sdg. Mch. T. H. Reel T. H. Shot 14 lbs.
Leads

Turns ----- Cor'n ----- Depth 18 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make M. 3 Cor'n { Instr. .
No. 101941025 { Stem. -----

Bottom Reading 11.11.11.11.11.11 Cor'd Temp. 52.0

Temp. Surf. { 52.5° Time 1:36 } Air {
52.5° Time ----- } -----

Density: Surf. ----- fms. -----

Wind: Direction Various Force 4

Baromet. 30.41 Amt. of Clouds 1 State of Sea 2

Weather bc

Direction and Force of Current { Surface 2.0 to 3.6
Bottom 2.0 to 3.2

Tide 1/4

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul Inter

Apparatus and Rig used 4' beam trawl, 150' sinker.

Time towing h. 7 1/2 m.

Remarks: at anchor

Deck Officer ----- Recorder -----

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
10	25	00	0	10	35	30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Lead & Hydrog. } No. 5277 Date, Aug 2, 1902

Sdg. Mch. 7 Reel 7 Shot/Lead 7 lbs.

Turns ----- Cor'n ----- Depth 16 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N 3 Cor'n { Instr. No. 109 Stem.

Bottom Reading 52 Cor'd Temp. 52.38

Temp. Surf. { 57.7 Time 57.43 Air {

Density: Surf. ----- fms. -----

Wind: Direction 2 Force 4

Baromet. 30.43 Amt. of Clouds 11 State of Sea 2

Weather bc.

Direction and Force of Current { Surface Bottom

Tide 1/2

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used 4' beam trawl

1/2

Time towing h. 17 m.

Remarks: Echinus water bottle used

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	R. M.		R. M. Down.	Up.	R. M.
10 55 00	10 06 20		0	10 57 20	11 14 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, March, 1911
Hydrog. }
Sdg. Mch. 7 Reel 1 Shot / Lead 1 lbs.
Turns _____ Cor'n _____ Depth 8 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make N. Z. Cor'n { Instr. _____
 { No. 1000 { Stem. _____
Bottom Reading 52.5 Cor'd Temp. 52.58
Temp. Surf. { 52.6° Time 11:34 } Air { 52
 { 52.5 Time _____ } _____

Density: Surf. _____ fms. _____
Wind: Direction Various Force 4-6
Baromet. 30.41 Amt. of Clouds 2 State of Sea 2
Weather bc

Direction and Force of Current { Surface 31
 { Bottom 37
Tide Ebb

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Inter

Apparatus and Rig used 4' Inter, 2 15'
150 lb. sinker

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Samuel J. ... Recorder ...

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. | Up. | M.

M. DOWN. | Up. | M.

11 23 00 | 11 33 00

11 23 00 | 11 38 00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

~~Trawl~~ Hydrog. No. 5261 Date, Dec 6, 1912

Sdg. Mch. 77 Reel 77 Shot Lead 14 lbs.

Turns ----- Cor'n ----- Depth ----- fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make 7.1.1. Cor'n { Instr. -----
No. 21941023 Stem. -----

Bottom Reading 52.5 Cor'd Temp. 52.6

Temp. Surf. { 52.6 Time 1:00 } Air { 61
52.1 Time -----

Density: Surf. ----- fms. -----

Wind: Direction W. x N. Force 3-4

Baromet. 30.4 Amt. of Clouds 2 State of Sea -----

Weather bc

Direction and Force of Current { Surface 1.0
Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction Anchored Distance -----

Depth of Haul -----

Apparatus and Rig used -----

Time towing ----- h. ----- m.

Remarks: -----

Deck Officer ----- Recorder -----

SOUNDING WIRE.

A. M. Down. Up. P. M.

11 52 00 / 2 02 00

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

A. M. Down. Up. P. M.

11 52 00 / 2 02 00

Dredge } No. 5282 Date, Dec 1, 1912
Hydrog. }

Sdg. Mch. Tanner Reel Shot Lead lbs.

Turns Cor'n Depth 1.0 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 3.3 Cor'n { Instr. No. 11.1 Stem.

Bottom Reading 52.6 Cor'd Temp. 52.63

Temp. Surf. { 52.9 Time 1222P Air { 62° 52.63 Time

Density: Surf. fms.

Wind: Direction m Force 2-3

Baromet. 30.40 Amt. of Clouds 5 State of Sea S

Weather b.c

Direction and Force of Current { Surface 3.3 Bottom

Tide 3.3

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter

Apparatus and Rig used 4' Inter: 2 No. 1

Remarks: Time towing 1 1/2 m.

Deck Officer Mr. H. S. Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P M. DOWN.			UP. P M.				P M. DOWN.			UP. P M.		
12	11	30	12	21	30	0	12	11	30	12	23	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 213 Date, Aug 5, 1910

Sdg. Mch. Reel T. N. Shot 14 lbs.

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 713 Cor'n { Instr. No. 1 Stem.

Bottom Reading 52.8 / 52.6 Cor'd Temp. 52.63

Temp. Surf. { 52.5 Time 12:25 } Air { 66 }
52.53 Time

Density: Surf. fms.

Wind: Direction n Force 1

Baromet. 30.110 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current { Surface 60 Prev 35 rec. Bottom 60 " 33 "

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul 2 fms

Apparatus and Rig used 4' Inter: 29' of net

Time towing h. 10 1/2 m.

Remarks: 100 yds. net

Deck Officer J. H. M. Ordie Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
12	41	00	12	51	50	0
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl No. 12 Date, 7 Dec, 1912

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading 12.6 Cor'd Temp. 52.48

Temp. Surf. { 52.3 Time 1.23 } Air { 66°

Density: Surf. fms.

Wind: Direction m. Force 2

Baromet. 30.38 Amt. of Clouds 7 State of Sea S

Weather bc

Direction and Force of Current { Surface 70 Bottom 60

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance..

Depth of Haul 120

Apparatus and Rig used 12' Trawl

Time towing 1 h. 15 m.

Remarks: Trawl hauled, 12' Trawl

Deck Officer J. H. ... Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
/	/	2250	0	/	/	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5815 Date, Dec 10, 1913

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading

Cor'd Temp.

Temp. Surf. { Time Time } Air {

Density: Surf.

fms.

Wind: Direction E by N Force 1-2

Baromet. 28 Amt. of Clouds 1 State of Sea 5

Weather fog

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange peel Dredge; towed 5' beam with beam trawl (Coastal dredge).

Time towing 15 m.

Remarks: First dragged orange-peel dredge, then towed 5' beam trawl 15 min (Dr. S. N. S.). Then dragged orange-peel dredge again (Dr. S. N. S.), but same did not take.

Deck Officer

Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. | UP. | M.

M. DOWN. | UP. | M.

Orange field line

100

200

300

400

500

600

700

800

900

*Coastal Dr*30 ~~1100~~

4200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

Orange field line

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11	32	00	11	50	00
11	35	00	11	50	00

11	32	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

11	35	00	11	50	00
----	----	----	----	----	----

Dredge } No. 502-A Date, Jan 1, 1912

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 20 fms.

Sdg. Cup Amt. Bot'm Sample 9 3/4

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:25 PM Air { 52°

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.2 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing (Tanner) 15 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

P.M. Down. Up. P.M.

FMS.

DREDGING CABLE.

P.M. Down. Up. P.M.

Calypso 0
100
200
300

5' Timmer 400

500

600

700

800

900

5516 B. 1000

Calypso 1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

1 00 40 1 01 40

1 08 30 1 25 55

1 11 00 1 21 00

1 30 00 1 32 30

11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. | Up. | M.

P. M. DOWN. | Up. | P. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

2 16 50 2 16 50

2 12 46 2 13 20

2 43 13 2 44 05

5817-B

Dredge } No. 511 Date, June 1, 1914
Hydrog. }
Sdg. Mch. / / Reel Shoty Lead lbs.
Turns Cor'n Depth 4314 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 10:38 Air 51
 { Time

Density: Surf. fms.

Wind: Direction Force 2-3

Baromet. Amt. of Clouds 10 State of Sea

Weather

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Oyster dredge
2 per float, buoyed with 100 fms.
Time towing h. 1 m.

Remarks: Oyster dredge
with net weight but it was not
not used. It was in the
port but not used.

SOUNDING WIRE.

M. DOWN. Up. M.

FMS.

DREDGING CABLE.

A M. DOWN. Up. A M.

<i>Longest haul</i>		0	10 37 00	11 37 30
		100		
		200		
		300		
		400		
<i>Coarser Trench</i>		500	11 50 00	11 50 00
		600	11 52 00	11 57 30
		700		
		800		
<i>Coarser Trench</i>		900		
<i>Change haul</i>		1000	11 12 00	11 13 00
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 1111 Date, July 1, 1902
Hydrog. }
Sdg. Mch. Reel Shoty Lead 1 lbs.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:00 } Air { 52
Time

Density: Surf. fms.

Wind: Direction NE Force 2-3

Baromet. 30.33 Amt. of Clouds 10 State of Sea S

Weather C

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used: Conter dredge
Cooter dredge

Time towing h. 1 1/2 m.

Remarks: Dredge hauled and hauled and hauled
11:57 - 11:58 hauled and hauled, at
11:59 hauled. The haul at 12:47 and at
12:52:30 hauled and hauled, haul 6' haul,
haul up (Dr. 5819 A) and haul haul
haul haul at 1:19:30 (Dr. 5819 B)

Deck Officer Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

*Change paid for**Change paid for**Dr. 57.00 50 6 50*
Change paid for

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

11 57 00 11 58 00

157.00 *158.00*
12 52 20 12 53 30
12 57 00 12 58 30

1 17 30 1 18 00

Tideg. } No. 17 Date, Dec. 11, 1912

Sdg. Mch. 1000 Reel Shot/Lead 15 lbs.

Turns Cor'n Depth 15 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 2:00 } Air { 53°

Density: Surf. fms.

Wind: Direction NE Force 3

Baromet. 30.32 Amt. of Clouds 10 State of Sea S

Weather 62

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Catch

Time towing h. 1 m.

Remarks:

Deck Officer H. H. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
<i>Orange - Sea Breeze</i>			0	1 51	30	1 52 30
			100			
			200			
			300			
			400			
<i>Coast - Sea Breeze</i>			500	1 57	15	2 17 30
			600	1 57	15	2 16 15
			700			
<i>Dr. Sea Breeze</i>			800			
			900			
<i>Orange - Sea Breeze</i>			1000	2 01	00	2 21 10
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. *3* Date *June 17* 19*17*
Hydrog. }
Sdg. Mch. *Handline* Reel _____ Shot }
Lead } *5-8-21-A-9 3/4* lbs.
Turns _____ Cor'n _____ Depth *6-8-21-B-7* fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { *53* Time _____ } Air { *54*
Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction *Calm* Force *0*

Baromet. *30.52* Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide *Low*

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul *Bottom*

Apparatus and Rig used *(5-821-A) Orange pul bucket;*
then Coaster trawl
then (5-821-A) Orange pul bucket;
Time towing *h. 12 m.*

Remarks: *Took haul with Orange*
pul bucket (5-821-B) then haul
with Coaster trawl (5-821-B) then
Orange pul bucket (5-821-A)

Deck Officer *Wm. J. H. H.* Recorder *Wm. J. H. H.*

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

(5821-B)	0	1	40	30	1	57	1	5
Dredge	100							
7 1/2 fath.	200							
	300	1	40	30	1	57	1	5
(5821-Dredge)	400							
5' waste haul	500	1	55	00	1	58	1	5
(8 fath. haul)	600	1	57	40	1	58	5	8
	700							
	800							
(5821-A)	900	1	58	40	1	59	00	
Dredge 8 fath.	1000							
	1100							
	1200							
	1300							
	1400							
	1500							
	1600							
	1700							
	1800							
	1900							
	2000							
	2100							
	2200							
	2300							
	2400							
	2500							
	2600							
	2700							
	2800							
	2900							
	3000							
	3100							
	3200							
	3300							
	3400							
	3500							
	3600							
	3700							
	3800							
	3900							
	4000							
	4100							
	4200							
	4300							
	4400							
	4500							
	4600							
	4700							
	4800							
	4900							

Dredge { No. 5522-A Date, , 191

Sdg. Mch. Hand line Reel Shot/Lead 5522-A-6 lbs.

Turns Cor'n Depth 5522-B-6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 55° Time 2:30 } Air { 55° Time

Density: Surf. fms.

Wind: Direction C Force 0

Baromet. 30.46 Amt. of Clouds State of Sea S

Weather S

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used (5522-A) Grapple, 2 glass floats, 150' line, 1 lb weight; Time towing h. 14 m.

Remarks:

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | P.M.

<i>Orange Red Line</i>	0	2 05 30	2 06 10
<i>5822 - A Dredge</i>	100		
	200		
	300		
	400		
<i>5822 - A Dredge</i>	500	2 07 00	2 22 00
<i>(5822) Dredge</i>	600 ²⁵	2 10 00	2 23 00
<i>5822 - A Dredge</i>	700		
	800		
	900		
	1000		
	1100		
<i>Orange Red Line</i>	1200	2 28 30	2 29 00
<i>(5822 - A Dredge)</i>	1300		
<i>6 out</i>	1400		
	1500		
	1600		
	1700		
	1800		
	1900		
	2000		
	2100		
	2200		
	2300		
	2400		
	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
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	3500		
	3600		
	3700		
	3800		
	3900		
	4000		
	4100		
	4200		
	4300		
	4400		
	4500		
	4600		
	4700		
	4800		
	4900		

Dredge } No. 15-25 Date, 10-17, 1915
Hydrog.

<i>Sdg.</i>	<i>Mch.</i>	<i>Reel</i>	<i>Shot</i>	<i>Lbs.</i>
			<i>Lead</i>	

Turns Cor'n Depth fms.

<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Character of Bottom

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$

Cor'n { Instr.
Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { $\overline{53}$ Time $\overline{\quad}$ } Air { $\overline{54}$ Time $\overline{\quad}$ }

Density: Surf. fms.

Wind: Direction Calm Force 0

<i>Baromet.</i>	<i>Amt. of Clouds</i>	<i>State of Sea</i>
-----------------	---------------------------	-------------------------

Weather of _____

Direction and Force of Current. { Surface
Bottom

[illegible]

General Locality

Position

Chart used: No. _____ Ed'n _____

Drift: Direction	Distance
------------------	----------

Depth of Haul Bottom

Apparatus and Rig used (5543-A) 6 lamp gas unit,
 1000 15.922, 5'6" water tower, 2 gpm, 10"
 1 bar, 1000 15.922, 5'6" water tower, 2 gpm, 10"

Time towing h. '7' m.

Remarks: 1st. Large open, well drained,
level & fertile ground.

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
<i>5823-A-Dr</i>			0	3 14 30	3 14 20	
			100			
			200			
			300			
<i>5823</i>			400			
			500			
<i>7 fath to 6'</i>			600	3 19 30	3 19 20	
			700	3 21 40	3 19 20	
			800			
			900			
			1000			
			1100			
			1200			
			1300			
<i>Change lead 14 lb</i>			1400	3 52 30	3 19 20	
<i>5823-E-Dr-6 1/2 fath</i>			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5821 Date, Dec 1, 1911
Hydrog.

Sdg. Mch. Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 12 1/2 fms.

Sdg. Cup Amt. Bot'm Sample 7 end of reel

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 10:15 } Air { 63° Time

Density: Surf. fms.

Wind: Direction n e Force 0-1

Baromet. 30.54 Amt. of Clouds 3 State of Sea

Weather b. c.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange foot bucket. Coaster. Trawl with float weight 4 1/2 glass floats - 115.00 weight Orange foot bucket. Time towing h. m.

Remarks:

Deck Officer Mr. Conway Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

Crane, 112 ft. 10 02 00 10 03 00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

10 07 00 10 24 30

10 09 30 10 23 00

10 29 20 10 30 00

Dredge } No. 5725 A Date, Dec 1, 1900
Hydrog. }
Sdg. Mch. Jan 1 Reel Shot/Lead lbs.
Turns Cor'n Depth 11 1/2 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 11:15 } Air { 63
 { Time {

Density: Surf. fms.

Wind: Direction N.E. Force 0-1

Baromet. 30.52 Amt. of Clouds 8 State of Sea S

Weather b.c.

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used Orange beam trawl
Trawl with 1 lb weight, 100
glass floats, 1/2 - 1 lb weight
Time towing 1 h. 15 m.

Remarks:

Deck Officer W. H. H. Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

10 56 46 10 57 30

11 01 11 18 30

11 02 11 18 30

11 35 30 11 36 50

Dredge } No. 7 Date, Dec 18, 1917
Hydrog. }

Sdg. Mch. Reel Shot/Lead 14 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction North Force 1

Baromet. 30.47 Amt. of Clouds 8 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. 15 m.

Remarks:

Deck Officer W. C. Recorder J. T. 11-1023

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

<i>Group - 1</i>	0	12	44	30	18	45	00
	100						
	200						
	300						
	400						
	500						
	600						
	700						
	800						
	900						
<i>Can. 1000</i>	1000	12	44	30	18	45	00
<i>Can. 1100</i>	1100	12	44	30	18	45	00
	1200						
	1300						
	1400						
	1500						
	1600						
	1700						
	1800						
	1900						
<i>2000</i>	2000						
<i>2100</i>	2100	1	16	00	1	17	00
	2200						
	2300						
	2400						
	2500						
	2600						
	2700						
	2800						
	2900						
	3000						
	3100						
	3200						
	3300						
	3400						
	3500						
	3600						
	3700						
	3800						
	3900						
	4000						
	4100						
	4200						
	4300						
	4400						
	4500						
	4600						
	4700						
	4800						
	4900						

Master } No. 157 Date, Dec 13, 1913
Hydrog. }

Sdg. Mch. Ruel Shot/Lead lbs.

Turns Cor'n Depth 12 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.Z. Instr. Cor'n {
 { No. L. 104924; R. 108018 Stem.

Bottom Reading Cor'd Temp. 45.43

Temp. Surf. { 45.1 Time 10:10 } Air {
 { N.Z. #108011 Time 44.83 }

Density: Surf. fms.

Wind: Direction Various Force 4

Baromet. 30.17 Amt. of Clouds 10 State of Sea 2

Weather Bz

Direction and Force of Current { Surface
 { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Current Distance

Depth of Haul Surface & Surface

Apparatus and Rig used

150' line.

Time towing h. 19 m.

Remarks: 1st haul 100' down

2nd haul 100' down

3rd haul 100' down

4th haul 100' down

5th haul 100' down

6th haul 100' down

7th haul 100' down

8th haul 100' down

9th haul 100' down

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
<u>9</u> M. Down.	Up. <u>9</u> M.		<u>9</u> M. Down.	Up. <u>9</u> M.
9 53 30	10 03 30	0	9 52 30	10 03 30
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000	11 54	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Hydrog. } No. 6422 Date, June 13, 1913

Stg. Mch.	Reel	Shot Lead	Lbs.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

Turns	Cor'n	Depth	6	fms.
-----------------	-------	-------	---	------

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom _____

Thermom. { Make *W. & L. R.* Cor'n { Instr.
No. *I 104924 R 105018* Stem.

Bottom Reading 22.0 P 41.5 Cor'd Temp. 44.9°

Temp. Surf. { $\frac{45.1^{\circ}}{44.83}$ Time $\frac{10:38}{10:35:11}$ } Air { $\frac{35^{\circ}}{35.0}$ }

Density: Surf. _____ fms. _____

Wind: Direction Various Force 3-4

Baromet. 30.1	Amt. of Clouds 12	State of Sea
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Weather 100-101

Direction and Force of Current.	{	Surface.....
		Bottom.....

Title _____

General Locality _____

Position # 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 20' D. L. ... 3' 4"

slide 15-5 10 minutes

Time towing h. / c m.

Remarks: Edman water bottle used

Deck Officer *Robert K. King* Recorder *John J. King* 11-1029

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
M. Down.		Up. C. M.			M. Down.		Up. C. M.		
10	28	00	1038	00	10	28	00	1039	00
				100					
				200					
				300					
				400					
				500					
				600					
				700					
				800					
				900					
				1000					
				1100					
				1200					
				1300					
				1400					
				1500					
				1600					
				1700					
				1800					
				1900					
				2000					
				2100					
				2200					
				2300					
				2400					
				2500					
				2600					
				2700					
				2800					
				2900					
				3000					
				3100					
				3200					
				3300					
				3400					
				3500					
				3600					
				3700					
				3800					
				3900					
				4000					
				4100					
				4200					
				4300					
				4400					
				4500					
				4600					
				4700					
				4800					
				4900					

~~Dredge~~ } No. 5-267 Date, July 13, 1913
Hydrog.

Sdg. Mch. Hand-line Reel Shot/Lead lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
 { No. L104924; R106018 { Stem.

Bottom Reading 4 Cor'd Temp. 44.5

Temp. Surf. { 44.5 Time 11:12 } Air {
 { 44.73 Time }

Density: Surf. fms.

Wind: Direction Various Force 2

Baromet. 30 Amt. of Clouds 10 State of Sea 2

Weather gy

Direction and Force of Current { Surface
 { Bottom

Tide ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction drifted Distance

Depth of Haul water

Apparatus and Rig used

Time towing h. 00 m.

Remarks: Bottom water

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>C</i> M. Down.	Up.	<i>S</i> M.		<i>C</i> M. Down.	Up.	<i>S</i> M.
11 01	20	11 11 28	0	11 32	3	11 36
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, June 13, 1913

Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead 11 lbs.

Turns _____ Cor'n _____ Depth 6 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make N 3 Cor'n { Instr. _____
 { No. L. 1349201010 { Stem. _____

Bottom Reading 21 6 1/2 Cor'd Temp. 44/18

Temp. Surf. { Time _____
 { Time _____ } Air { _____

Density: Surf. _____ fms. _____

Wind: Direction SE Force 2-3

Baromet. 30.12 Amt. of Clouds _____ State of Sea _____

Weather 2

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction 0 Distance _____

Depth of Haul 21

Apparatus and Rig used 4' Oyster, 2' 1/2' Oyster

Time towing h. 29 1/2 m.

Remarks: Collected 1000 yds. of oyster

Deck Officer Robert H. ... Recorder ...

SOUNDING WIRE.

6 M. Down. Up. 9 M.

FMS.

DREDGING CABLE.

9 M. Down. Up. 9 M.

1. 40 12 11

11 30 11

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5289 Date, June 13, 1912
Hydrog. }

Sdg. Mch. Sanmer Reel T.M. Shot 24 lbs. Lead 1

Turns Cor'n Depth 6 fms.

<i>Sdg. Cup</i>	<i>Amt. Bot'm Sample</i>
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Character of Bottom

Thermom. { *Make* N. B.
 { *No.* L. 1079 P. 1023 *Cor'n* { *Instr.*
 { *Stem.*

Bottom Reading 20.44 8.44 Cor'd Temp. 43.93

Temp. Surf. { 43.5 Time 12:50 } Air { 51 }

Density: Surf. _____ fms. _____

Wind: Direction SE Force 2-3

Baromet. 30.09 Amt. of Clouds 10 State of Sea C

Weather

Direction and Force of Current. { Surface
 { Bottom

Tide 

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction Unchanged Distance 1000

Depth of Haul. 125

Apparatus and Rig used. 40 Liter 2700 mm.

Time towing h. 16 m.

Remarks: CCH in 100% water bottle used.

Deck Officer _____ Recorder _____

SOUNDING WIRE.					FMS.	DREDGING CABLE.						
P. M. Down.		Up.	P. M.			P. M. Down.		Up.	P. M.			
12	39	00	12	49	00	0	12	39	00	12	55	00
						100						
						200						
						300						
						400						
						500						
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						4000						
						4100						
						4200						
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						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Dredge } No. 5290 Date, Jan 13, 1913
Hydrog. }

Sdg. Mch. Tanner Reel Shot/Lead 14 lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N. 3. Cor'n { Instr. No. 21019 P. 1123 Stem.

Bottom Reading 2.43.10.43 Cor'd Temp. 42.98

Temp. Surf. { 43 Time 1:25 P. Air { 53
42.73 Time

Density: Surf. fms.

Wind: Direction S.E. Force 2-3

Baromet. 30.09 Amt. of Clouds 10 State of Sea C

Weather B.

Direction and Force of Current { Surface Bottom

Tide ~~Tide changed at this station~~

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Anchored Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. 2 7/8 fms.

150 lb weight

Time towing h. 16 m.

Remarks: 2 water bottles used.

Towed 3 minutes in airway.

Deck Officer Mr. R. H. H. Recorder H. W. C. 11-1023

SOUNDING WIRE.					FMS.	DREDGING CABLE.						
M. Down.		Up.	P. M.			P. M. Down.		Up.	P. M.			
1	14	00	1	24	00	0	1	14	00	1	30	00
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
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						1100						
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